Horizontal Infection Prevention

Let's Get HIP!

Presented by:

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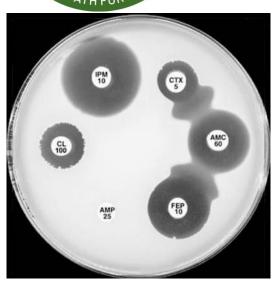
Disclosure

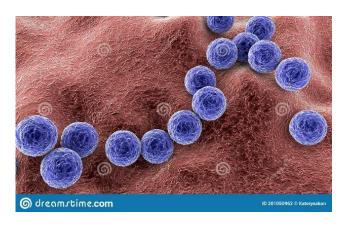
• Jim is employed by Diversey. His expenses to attend this meeting (travel, accommodation, and salary) are paid by this company. Diversey has had no input into this presentation from a commercial interest.

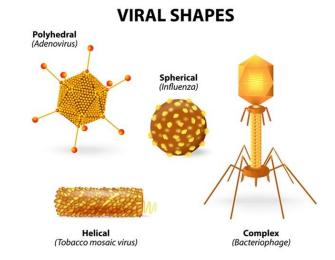


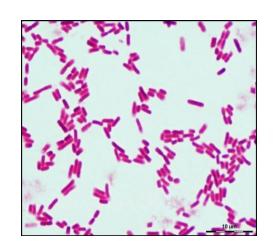
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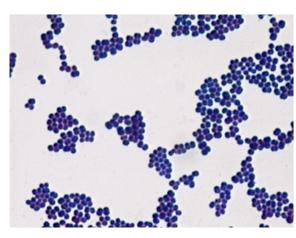
Bugs Bug Us! Acronyms Annoy Us!









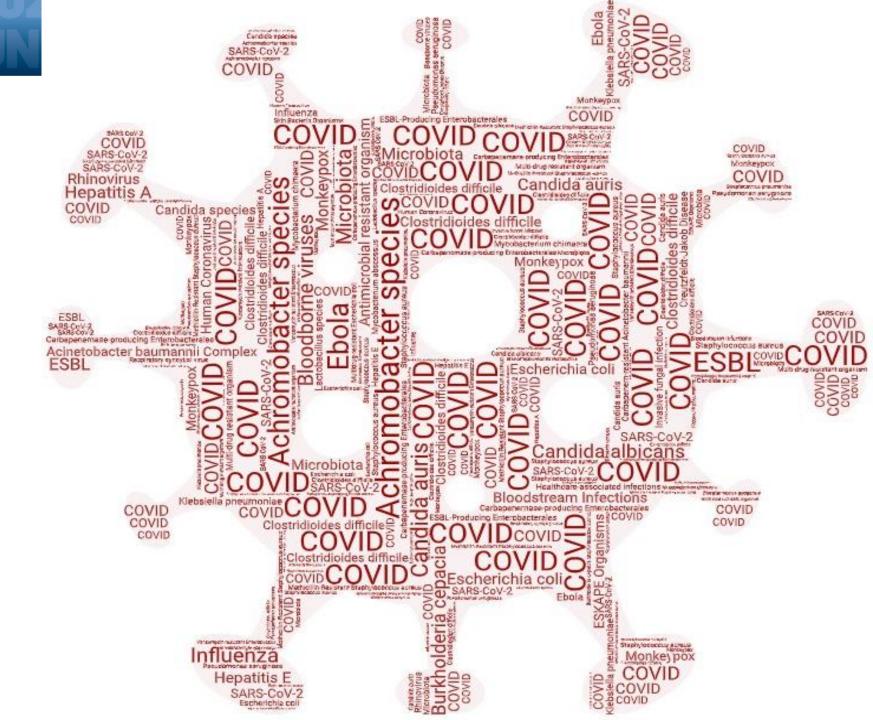












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Forget About It!





SCREENING HUSBLE WIFE CLASS MENSION SCREENING ASERSIS

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AND STORE THAN THE LETTER STORE THE STORE STORE

CUI PREVENTION

AIR PILTEATION/CLEANING

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SEPRESSION
SON 182



Routine Practices – PHAC (2013)

• all patients

at

• all times

in

• all healthcare settings

(195 pages)







Routine Practices - Jim

- If they are leaking, limit their movement and protect yourself
- If, during care, you touched it or used it: Disinfect it

• 21 Words!







Point-of-care risk assessment (PCRA)

- before every interaction
 with
- every patient and/or the patient's environment,
- to ensure that appropriate control measures (i.e., routine practices and, if necessary, additional precautions) are in place to prevent transmission of microorganisms







Routine Practices

- Hand hygiene program (including point-of-care ABHR)
- Source control (triage, early diagnosis and treatment, respiratory hygiene, spatial separation)
- Patient placement, accommodation, and flow
- Aseptic technique
- Use of PPE
- Sharps safety and prevention of bloodborne pathogen transmission
- Management of the patient care environment
 - Cleaning of the patient care environment
 - Cleaning and disinfection of non-critical patient care equipment
 - Handling of waste and linen
- Education of patients, families and visitors
- Visitor management







Routine Practices - Jim

- If they are leaking, limit their movement and protect yourself
- If, during care, you touched it or used it: Disinfect it

• 21 Words!







Where's the bug?

- Skin $(10^2 10^7/\text{cm}^2)$
- Feces (10¹² / gram dry weight)
- Mucous Membranes (10⁸ / mL)





WARNING!!

This patient has:

- * Skin!
- * Feces!
- * Mucous Membranes!

PERFORM HAND HYGIENE AFTER CONTACT WITH THIS PATIENT OR THEIR ENVIRONMENT!



PHAC - Additional Precautions

- Routine practices properly and consistently applied should prevent transmission by the contact route.
 - ...extensive contamination of the environment
 - ...microorganisms with a very low infectious dose
 - ...conditions/clinical presentations and specific etiologies listed below...
 - Modifications for specific healthcare settings follow



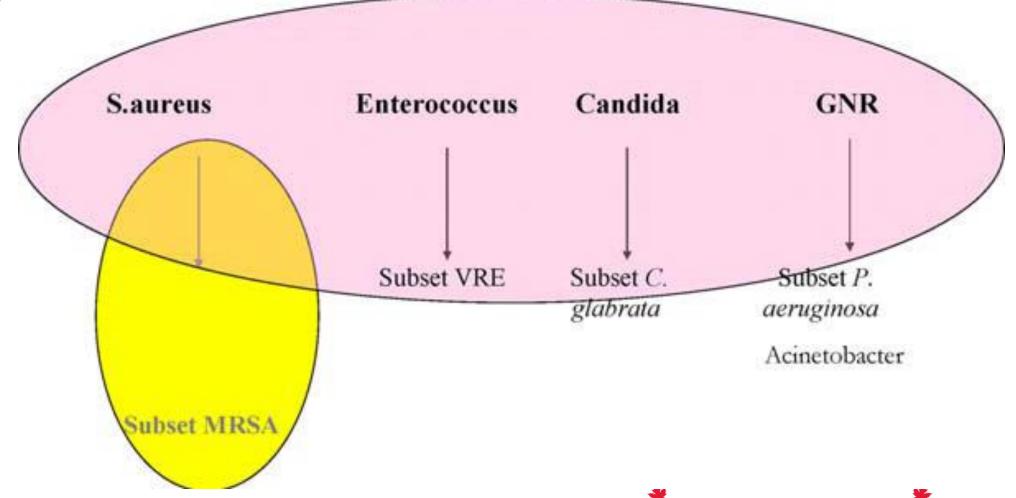


CONTACT PRECAUTIONS

- * WE JUST FOUND OUT THAT THIS PATIENT HAS A BUG THAT COULD BE CARRIED TO THE NEXT PATIENT
- * NOW WE <u>**REALLY**</u> MEAN YOU HAVE TO PERFORM HAND HYGIENE AND TRY NOT TO SOIL YOUR UNIFORM!
- * WE ARE NOT SURE ABOUT THE GUY NEXT DOOR, YET, SO DO WHATEVER YOU WANT!

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Horizontal vs Vertical Infection Control



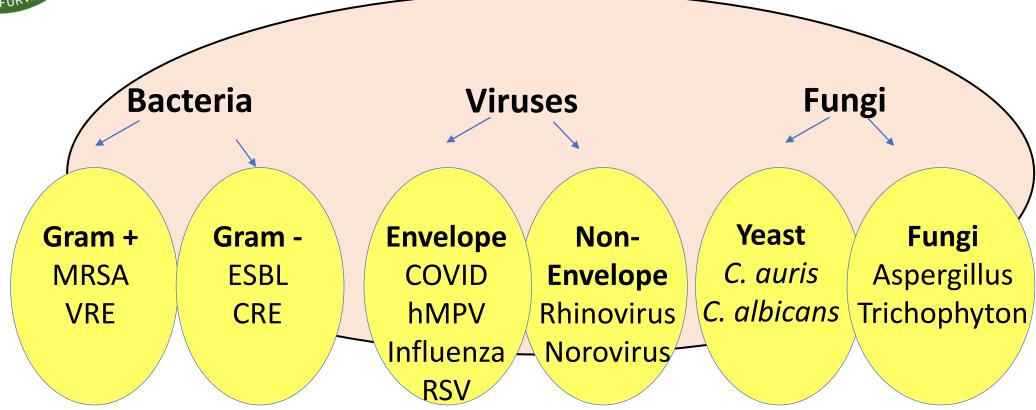




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Vertical









Morbidity and Mortality V

DRUG-RESISTANT CANDIDA AURIS



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Home / Disease Outbreak News / Item / Extensively drug-resistant Shigella sonnei infections - Europe

Extensively drug-resistant Shigella sonnei infections -Europe Vital Signs: <u>Carbapenem-Resistant Enterobacteriaceae</u>

2007 Guideline for Isolation
Precautions: Preventing
Transmission of Infectious Agents in
Healthcare Settings

Annex A:

Screening, Testing and Surveillance for Antibiotic-Resistant Organisms (AROs)

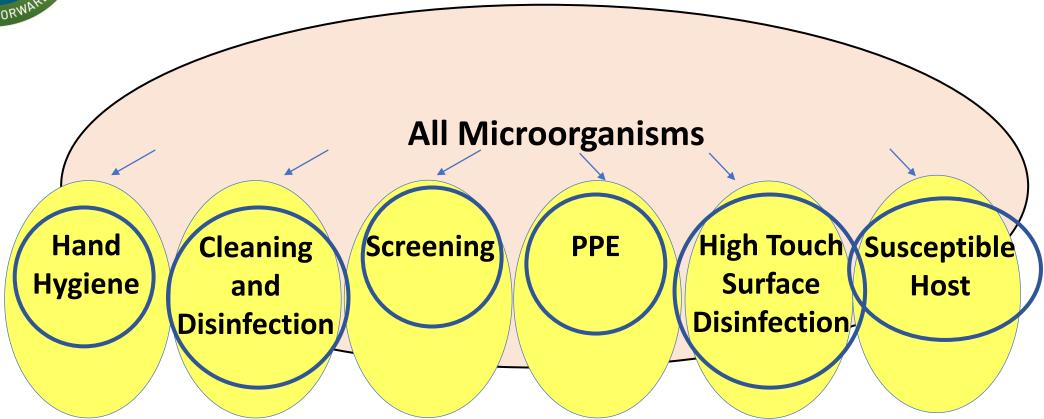
Healthcare-associated Infections (HAI)

ESBL-producing Enterobacterales in Healthcare Settings

HAI Data



Horizontal









- Don't panic over acronyms
- Work consistently with patients who have skin, feces and/or mucous membranes







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• Save for the panel!



